

ZF Lenksysteme GmbH
Schäbisch Gmünd

17.12.2001

5

Abstract

10 For a power assisted steering system for vehicles, in
particular passenger cars, there is provision to form
the hydraulic circuit with servopump and with a
three-way flow regulator valve which is located at the
junction between the pump and the servoactuator and has
a measuring throttle, located in the inflow to the
15 servoactuator, as a fixed throttle and an outflow
throttle which is located in a bypass of the latter and
which determines a variable throttle cross section by
means of a piston which is charged alternately as a
pressure compensator, the piston, which is charged via
20 an active actuator element, changes the outflow
throttle cross section as a function of the current
applied in order to change the volume flow which passes
via the measuring throttle.